**Jaypee Institute of Information Technology, Noida.**

**Subject: Unix Programming Lab**

**LAB TEST Marks:20**

**Set A**

Q.1. Create files with following names

users-111.list, users-1AA.list, users-22A.list, users-2aB.txt, users-2ba.txt, users-111.txt, users-1AA.txt, users-22A.txt, users-2AB.txt, users-2bA.txt, users-11A.txt, users-1AB.list, users-2aA.txt, users-2ba.list, users-12A.txt, users-1AB.txt, users-2AB.list, users-2bA.list [C373.2]

(a) Display filenames beginning with“user-”, followed by a number, a lower or upper case letter or number, then a number and ends with one or more occurrences of any character. (4Marks)

(b) Display all filenames starting with“user-”, followed by a number, any valid file naming character apart from a number, then a lower or upper case letter and ends with one or more occurrences of any character. (4Marks)

(c) Display all filenames starting with “user-”, followed by any number of characters or number, followed by a character (lower or upper) twice, and followed by any number of characters or number. (4Marks)

Q.2. Create file Name.txt. Write following lines in created file. [C373.2]

Rohti

Virat

Rishab

Hardik

1. Display the sorted name list containing pattern “a” (Marks) (2Marks)
2. Display the sorted name list containing pattern “a” and “r”. (3Marks)
3. Write a command to display first line form top and second line form bottom of file Name.txt (3Marks)

**Set(B)**

**1.)**Create following directory structure **[C373.2]**



(a) Set read and write permissions on directory office for user only. (2Marks)

(b) Remove write permission from directory office for user only. (2Marks)

(c) Move Sharma directory to Safe (3Marks)

(d) Rename login.sql to login (3Marks)

2. Create an employee list of jayvee institute of Information technology named employee.txt. the data consist the fields Employee id , Employee name, Designation, Salary [C373.2]

a) Display the set of lines containing ‘Gupta’ and Agarwal in file employee.txt, with and without using –e option. (2Marks)

b) Store the output of the command used to obtain set of lines containing ‘HOD’ along their respective line number from the file employee.txt to file HOD.sh. (2Marks)

c) Display the lines where the salary lines between 20000 and 40000. (3Marks)

d) Display the last five employee’s id. (3Marks)